

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: dma@IslandNet.com (Jan Skirrow)
Subject: "Rare" National Transformers???
Message-ID: <m0v1dpE-000VsaC@comm.amtsgi.bc.ca>

Hi Gang ...

I found two lovely little things at a local electronic bits 'R us store that were too nice not to buy, even though I'm not sure what they are or where they might be used.

They look like they might be rf input transformers. A little over 1" square and about 3" long. Screddriver adjust top and bottom. Heavy silver plated wire loops out the bottom. Inside: two coils on a ceramic core. Each coil has a small tubular ceramic cap across it. Top and bottom headers are ceramic as well. Seem to resonate around 18mhz - with no external termination other than the scope/sig gen.

Marked on top with the National logo and K641-6. Anchor on the side with US. Part # FRE-20810-3-1.

These are brand new. If anyone has a use for them, make me an offer! Otherwise, I'd just like to know what they might be from.

Jan Skirrow, VE7DJX

dma@islandnet.com
Duncan, British Columbia

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: 32V3 Mike connectors
Message-ID: <UPMAIL03.199609131921020016@msn.com>

Hi Gang, can't remember who needed the below, believe it was Steve Ellington. I to needed the same Amphenol 2 prong male connector for the Valiant and my D-104 mike. Got the mike with the connector cut off. O well it was free.

At any rate bought a brand new in plastic with Amphenol wriiten on the cover from Electrotex in Houston. Model #80-MC2m and it was only \$5.70 including Tax, much cheaper then Newark catalog price.

They have about 23 more per there computor. So.
Electrotex
2300 Richmond Ave.
Houston, Texas 77098-3299

Phone 713-526-3456

They also have stores in Austin, Beaumont, Corpus Christi, Dallas and San Antonio, Texas and a place in Memphis, Tenn.

Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: jml@innercite.com (Jim Lockwood)
Subject: Re: Advice on monitor scopes
Message-ID: <199609131152.EAA01930@spider.innercite.com>

>I'm interested in purchasing a monitor scope, such as the SB-610, H0-10,
>etc. Would you BAites which know about these things send me some advice as
>to what I should be looking for, fair prices, problem areas or parts?

The SB-610, neat gadget that it is, has one problem area: The caps in the HV supply. These like to fail and suitable substitutes are difficult to locate, or at least they have been for me.

If memory serves there are three in the HV supply, two in a voltage doubler circuit and one that filters the output of the doubler. I think they are all on the order of .1 or .15 at about 1.5KV or so. In any event, locating replacements will likely be a challenge.

Prices for the 610 seem to vary all over the map. I've seen some for as little as \$45 (which is what I paid for one of mine) and some with asking prices in the \$125 range, which strikes me as absurd.

It'd definitely a neat, useful gadget, but they are far from rare, so I'd be inclined to shop around and get the best price if I were looking for another one.

73,

Jim - km6nk

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
Subject: Re: Advice on monitor scopes
Message-ID: <9609131544.AA02088@speckle.ncsl.nist.gov>

>From: "John E. Vercellino" <104204.2650@compuserve.com>

>

>I'm interested in purchasing a monitor scope, such as the SB-610,

The SB-610 uses some 1600 volt paper capacitors, almost certain to need replacement.

The tubes used (some are compactrons) are not too common, but not scarce or very expensive if you have to actually buy them from AES or the like.

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: Re: Advice on monitor scopes
Message-ID: <46144.owen@apollo.eeel.nist.gov>

>

>>I'm interested in purchasing a monitor scope, such as the SB-610, HO-10,
>> etc. Would you BAites which know about these things send me some
>> advice as to what I should be looking for, fair prices, problem areas
>> or parts?

>

> The SB-610, neat gadget that it is, has one problem area: The caps in the
> HV supply. These like to fail and suitable substitutes are difficult to
> locate, or at least they have been for me.

>

I have had a SB-610 that I acquired from a SK friend for 14 years. When I got it there was a problem in that the HV had arced to ground and burned up some resistors and wiring. I fixed it and it hasn't been out of the case since. I use it for at least 2 hours a week and have for the last 14 years. I don't believe that the SB-610 has any inherent problems of which you should be concerned. Most common parts are easily available. The fair price of a clean working unit should be between \$60.00 to \$80.00. 73 Jim K4CGY

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: mknudsen@lucent.com
Subject: Re: Advice on monitor scopes
Message-ID: <9609131854.AA02237@bock.ih.lucent.com>

I would guess (!) that if you needed to repair the HV system or other scope-related parts of the SB-610, that you could scrounge the parts from the SB-620 spectrum analyzer (panadapter) that looks just like it. I got one a year ago and it works fine, tho I still can't be sure what IF freq it was set up for so right now it decorates the basement shack.

At least I know if I ever get a 610 I have a source of parts.
73, mike k aa9rg

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Mikhael Brown <mikhael@hpcmp13.sj.hp.com>
Subject: BC-610 Xtals for Trade
Message-ID: <199609132044.AA167827445@hpcmp13.sj.hp.com>

I have the follow frequencies of crystal for the BC-610 (FT-171B holders) to trade for other frequencies.

3520 KC
3580 KC
3945 KC
3955 KC
3995 KC

I am looking for any 160 meter crystal and some 80 and 40 meter crystals.

I already have the following:

3520, 3550, 3570, 3580, 3725, 3807.5, 3870, 3945, 3955,
3995 and 7120 KC.

Also am looking for the BX-34-B crystal box for BC-610.

Mike N6WIG
San Jose, Ca

--
mikhael@hpcmp13.sj.hp.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: Coax cable?
Message-ID: <s239796c.091@nms.com>

re>>Any neat little tests anyone have for how to test coax?

Is that coax connected to a BOATANCHOR?

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: re> Collins 51S-1
Message-ID: <s2397ed0.095@nms.com>

AHHHHHHHHHHH!!!!!!! Richard!! You really know how to hurt a guy!!

re>I found mine in an old barn that a farmer was using to feed and milk
>his cows. It was on a shelf up near the loft. I guess he thought that
>the AM music was good for the cows or something.
>Anyway, I asked for the radio and he said take it; "I do not use it
>any more as I do not raise cows" or something to that effect. Well,
>I felt fair was fair so I gave the farmer \$50.00 for the Collins.

Did you make-up this story!? Really! How come these things never
happen to me!
If you change your mind about cleaning it, I can offer you a healthy return
on your investment!!!

WANTED ; COLLINS 51S-1

Glenn N2BJG GFINER@NMS.COM

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: wb6zwc@ns.net
Subject: Collins 51S1
Message-ID: <199609131316.GAA00612@tomcat.ns.net>

I found mine in an old barn that a farmer was using to feed and milk his
cows. It was on a shelf up near the loft. I guess he thought that the AM
music was good for the cows or something.

Anyway, I asked for the radio and he said take it; "I do not use it
any more as I do not raise cows" or something to that effect. Well,
I felt fair was fair so I gave the farmer \$50.00 for the Collins.

That was a year ago. The radio has been playing well on AM, CW, and
SSB until a small warble was heard in the audio. I let it go for a
couple of months but finally pulled the radio apart. Lot's of mouse

dropping and the dirt was a 1/4" thick.

Did the usual things; DEoxit everything in sight, oiled the drive train, pulled and tested all the tubes. Found 1 bad and 5 had gas. Replaced everything with proper substitutes.

The PT0 type 70K-7 uses a 7543. It has bad gas but I have no replacement for the tube.

What I need here is either a 7543 or its proper substitutes. Does anybody know what the 7543 equates to?

7543=????

I also washed and waxed the cabinet. Cleaned all the dirt I could from the chassis. Order new rubber feet for the cabinet. Pulled the knobs and cleaned them. Removed the meter and carefully removed all the dirt in that area. The thing is still dirty! Looks like I will have to do a total emersion of the rig in some solvent.

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
Subject: DeoxIT and Variable transformer
Message-ID: <9609131402.AA29245@us2rnc.zko.dec.com>

I received the latest MCM flyer in the mail the other day, and there are two things which may be of interest to the BA crew:

72-110 TENMA 0-130 VAC 10A Variable transformer
\$63.95

200-040 CAIG DeoxIT Red (D5) 5.5oz aerosol can
\$ 5.99
(This is ground ship only.)

MCM Electronics
650 Congress Park Drive
Centerville Ohio 45459-4072

1-800-543-4330
1-513-434-6959

I have no interest other than a satisfied customer.

73

- Mark N1VQW

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: Re: DeOxit or WD-40 it ?
Message-ID: <s2392e85.069@nms.com>

I'll have to cast my vote for DeOxit also. I've been using it so long I have some old cans (and small bottles of liquid) from when it used to be called "Cramolin"
Restored many an old tube guitar amp with this great stuff!!
The key is not to use too much! If you do, it will tend to attract dust (Interesting comment below, cauz I use it on the rails of my big 4 lane HO racetrack) (Cars)

re>DeOxit is THE way to go. Great stuff. BTW, I think I first heard of >it from model railroaders, who wiped it on their tracks to insure good >electrical contact with the locomotives. I ran an HO gauge layout for >a while and wished I'd had the stuff back then. mike k aa9rg

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Steve Bertsch <sbertsch@x1.us.ohio-state.edu>
Subject: Re: DeOxit or WD-40 it ?
Message-ID: <199609131459.JAA16092@uro.theporch.com>

RE: Radio Shack "contact cleaner"

Beware of this stuff. The label says Contents: mineral oil. I tried it once, before reading the label. It made a mess.

- Steve

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Michael Crestohl <mc@shore.net>
Subject: FOR SALE: ART-13
Message-ID: <199609131144.HAA11842@northshore.shore.net>

Another future project I'll never get around to.....

An ART-13 transmitter - seems complete and with some docs. The old guy who had this mounted a muffin fan on the top cover and in the process cut a serious hole in the metal. Otherwise it looks original. I'll never have time for this one! Its heavy so I'd be happy to deliver it to M I T, Hosstraders (Rochester NH) or Boxborough in Oct. Any takers at \$100.00 or swaps? May be willing to ship but you would have to pay for crating and shipping...

If interested please reply by e-mail

73,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Michael Crestohl <mc@shore.net>
Subject: FOR SALE: DRAKE SW#-A RECEIVER - NEEDS TLC BUT COMPLETE!
Message-ID: <199609131139.HAA11225@northshore.shore.net>

Another project that has been sitting around far too long:

A DRAKE SW3A general coverage receiver - electrical condition unknown but appears complete. The cosmetics are not great but will clean up nicely. There are no dings or extra holes, ect so this unit should be eminently restorable with a bit of effort and care. I just do not have the time and can't see when I will have any to devote to this receiver so it should be passed along to someone who has.

Price: \$85.00 plus UPS or swaps????

Please reply by e-mail if interested.

73,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Michael Crestohl <mc@shore.net>
Subject: FOR SALE: LAMDBA 2" MODULATION MONITOR SCOPE
Message-ID: <199609131135.HAA10777@northshore.shore.net>

I found another goodie I really don't need....

Its a 2" modulation monitor scope made by Lambda - no, silly, not the ham radio club, but the power supply Lambda people! Its probably from the 1950a, pretty clean and with original docs as well. Its small and not heavy.

Price: \$35.00 plus UPS.

If interested please reply by e-mail

73,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "Mark S. Hovda" <75301.3141@CompuServe.COM>
Subject: FS: Hallicrafters T0 Keyer
Message-ID: <960913223707_75301.3141_GHI65-1@CompuServe.COM>

I have a Hallicrafters HA-1 keyer for sale. It is in nice working condition overall. The front panel is very nice, cabinet has the normal small scuffs and scratches, but is in good condition. I do not have the manual. \$70 plus UPS from Cedar Rapids. If I get multiple replies, I'll pull the winner out of a hat on Monday evening.

Thanks,
Mark
N0JWI
75301.3141@compuserve.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: heikud@directcon.net (Dennis Heikura)
Subject: FS: HQ-160
Message-ID: <199609131538.IAA17641@zeus.directcon.net>

Hi Gang, Have for sale a real nice Hammarlund HQ-160 General Coverage RX with matching Hammer. Speaker. Unit is missing one small knob and is about an 8 on the old 0 to 10 scale. Unit works, is real clean, with HI manual. \$150.00 + shpping or trade for Heathkit items. Looking for SB series accessories, SB-110 6meter transceiver, GR-78 GC rx. etc. Let me know what you have and maybe we can work out a deal. Pick up preferred.

73==Denny==WB7EGG

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: John Kolb <jlkolb@cts.com>
Subject: FS: T-74/CRT-3 Emergency Transmitter
Message-ID: <Pine.SC0.3.91.960912213256.20432A-100000@sd.cts.com>

CRT-3 (Gibson Girl?) transmitter for 500 or 8364 K.C.
Seems complete to my unknowledgable eyes, includes wide
canvas carrying strap. Fair condition - paint chipped or worn
on front panel edges, bottom, back seem slightly dented,
but part of that may be the designed shape.

Ground wire broken in one place, but seems all there.

I'll say \$40 for those that really insist I set a price,
but I really have no idea what the value is, so feel free
to bid less or more - you won't insult me. Course I'd rather
trade it for R-1051 family manuals, or the connectors I
need for a RT-618A. LWare rules apply in the case of equal
bids.

John Kolb KK6IL jlkolb@cts.com
Ramona, CA 92065

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: mack@mails.imed.com
Subject: Ham Radio Magazine
Message-ID: <9608138426.AA842653995@mails.imed.com>

Hey y'all:

I agree with the comments that Communications Quaterly is a
mere shell of what HR used to be. I suspect that is because of CQ
management and not because of Terry's (the editor) efforts.

I have been trying to fill out my collection over the past
year, and thanks to Mike Flacinski and Bob Morgan, my collection is
almost complete and contains many duplicates. Hopefully, I am not the
only trying to get a complete collection. I would very much like to
work trades or even pay for issues that I am short.

I just got my latest RF Design and it reminded me that I agree
with the comment that this is the best of the current crop for
practical RF work.

Ray Mack
WD5IFS
mack@mails.imed.com
Friendswood (Houston), TX

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: ecuevas@juno.com (Edwin G Cuevas Jr.)
Subject: Hammarlund Noise Silencer
Message-ID: <19960912.224520.9398.0.ecuevas@juno.com>

Hi All

I'm looking for a Hammarlund Noise Silencer for my HQ180AC.
Please email me at ecuevas@juno.com if you have one 4 sale.

Thanks, Ed (N5BFW)

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Help for Tek 2246 Opt 1Y scope!
Message-ID: <Pine.SUN.3.94.960913103152.9282B-1000000@coyote.rain.org>

Got problems with the scope I just bought for working on BA's.
Intensity varies up & down, and after about an hour I can't eliminate
either the trace or the text from the CRT by turning down intensity
controls. Can return for refund, but hoping it's simple power supply
or CRT grid circuit problem that I can find & fix. Tnx for BW.
73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: HF/VHF BA gear for sale
Message-ID: <9609130812.aa11148@jackatak.theporch.com>

Gang-

Our radio club has some gear for sale, and piggy-backing along is my
pal Ariel, K4AAL, who has some gear... in fact, he has all of it in
his possession... I will help him double-box and ship these pieces.

Ariel still runs a tube-type single channel crystal-control UHF rig on

440, so he is one of us... just too far behind the times to be electronically connected! ;^)

All prices are NOT including shipping which is extra and negotiable.

Drake R4B, T4XB, MS4 w/ps and cables... manuals
\$475

Drake R4B, T4XB, MS4 w/ps and cables ... manuals and a Shure hand
mic \$490

Drake TR4, MS4 w/ps Turner +4 mic and manuals... vy gud order
\$300

GE Progress Line mobile units... several lo-band and hi-band
mics and control heads, cables manuals
Best Offer

GE (two) Pre-Prog lo-band base... 1 in cabinet, 1 out naked
Best offer

Motorola Lo-band mobile... no control head
Best offer

Dare two mobiles and one base unit with manuals
Best offer

RCA Carfone
Best offer

The VHF gear is occupying space that Ariel needs for other projects,
and he is pretty easy to please, so the offers need to be enough to
make it worth his while to haul them to me, so I can ship for him...

He also has various tubes for them: 2E26, 6146, and other small tubes
and some vibrators.

email me or call Ariel, K4AAL (615)834-4792 evenings until about
11:00 PM Central Time...

"Attention BA-Mart Shoppers. There's a Blue Light Special Feeding
Frenzy on Aisle 26!" ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listown@jackatak.theporch.com ---- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Hoss Traders
Message-ID: <199609130332.XAA06746@itchy.mindspring.com>

At 03:03 PM 9/12/96 -0500, Tom Clinton, AD4ML wrote:

> Since I travel a lot, I'm usually about a week behind in reading the
> digest. I noticed a reference to one of the regular traders in the
> Ham Trader Yellow Sheets. Coincidentally, just a couple of days ago I
> was reading the want ads in some old QST's (from the early 1960's) and
> noticed ads from the same individual. At least we know he's been in
> the business for over 35 years!
>

Don't take the Yellow sheets any more, but I am guessing that the or one of
the "hoss traders"

you are talking about is "Hoss trader" Ed Moory, W5BDR of Dewitt, Arkansas.
Haven't seen anything from Ed in years myself, but he was real equipment
trader that traveled to many hamfests. Ed would be well past 80 today. He
is still in the FCC data base having just updated
his license.

Dave K4JRB

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Lrware@aol.com
Subject: Re: HP606's FS: forwarded post (price reduced)
Message-ID: <960913074735_307447975@emout09.mail.aol.com>

In a message dated 96-09-12 19:36:15 EDT, Tim writes:

> Model: HP 606A
> Range: 50 kHz to 65 MHz (six bands)
> Accuracy: 1 %
> Output: 0,1 microvolt to 3 volts (+23 to -123 dBm)
> Modulation: 0 to 95 percent AM
> Orig List: \$1,700.00
>
> ValueRocket Sale: \$250.00 quantity 1
> ValueRocket Sale: \$225.00 quantity 2-5
> ValueRocket Sale: \$200.00 quantity 5-10
> ValueRocket Sale: \$175.00 quantity 10+
>

> Plus S & H. (while supplies last)
>
> Best Regards,
>
> Tim Bass, bass@cais.cais.com

Based perhaps on my telling Mr. Bass he was out of his mind at \$250 each, he has agreed to reduce his price to \$90 (qty. 1) This is still high but getting a lot better... :-)
I have bought from Mr. Bass before and found him to be honest.

Please contact him, NOT ME!
thanks
-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: Info needed on BUSHIPS TD-496/BQN-3B
Message-ID: <Pine.SUN.3.94.960913102036.9282A-1000000@coyote.rain.org>

"Scolnik"?? -- No relation to the "granddaddy" of Naval radar (Merrill I. Skolnik), I suppose. Oh, well.

BUSHIPS is the name for the old Bureau of Ships. After many transformations, it is now the Naval Sea Systems Command (NAVSEA).

The AN/BQN-3 Secure Depth Sounder was built by G.E. in 1959. The AN/BQN-3A and -3B were built by G.E. in 1960. The -3D followed in '62 and the -3E in '66. All of the mods were called "Sonar Sounding Set". The -3B was "same as AN/BQN-3A except for repair parts. Submarine or surface-ship installation to record data for ocean-depths on permanent charts."

Produced high-resolution ocean-bottom contour data, while gobbling huge amounts of shipboard power to put out a puny signal in the audio spectrum. Sorry, no data on the TD-496 component.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: jbp@intac.com (Bill Scolnik)
Subject: Info on BUSHIPS TD-496/BQN-3B
Message-ID: <199609130437.AAA25915@mailhost.intac.com>

I recently acquired an Electronic Chronometer marked "TD-496/BQN-3B a unit of AN/BQN-3B" made by Sperry. It uses an 1800cps tuning fork as its oscillator and derives the other output frequencies using a series of rotating magnetic "gears" running over coils. The time readout is a mechanical digital device similar to

an odometer. It reads to .01 secs if you have good eyes! I'm a collector of early frequency standards and I'm completely unfamiliar with this one. It really qualifies as a boatanchor (read: heavy with tubes) and I need any information I

can get. Can any of you guys help??

Bill S

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996

From: knudsen@gvmail.ih.lucent.com

Subject: Re: Info on BUSHIPS TD-496/BQN-3B

Message-ID: <9609131612.AA02090@bock.ih.lucent.com>

You have a fascinating gadget there -- wish I did.

Sounds like a cross between a Conn Strobo-Tuner and a Hammond organ.

It should be pretty accurate, at least as good as a Bulova Accutron watch.

Recently I scored a related item -- fairly small, but all tubes.

It's a "low frequency standard" and uses a sealed TFO (tuning fork osc) to generate something around 60 Hz that drives a small synch. motor that spins a disk full of holes, arranged in concentric rows.

A rotary switch on the front panel is not a switch, but instead moves a photocell or light bulb radially over the disc to select the desired output freq, ranging from maybe 30 to 150 Hz in steps of 10 Hz.

I have no idea what practical use this little box would have, but for \$15 I didn't argue (the schematic and block diagram in the lid told me what was inside -- it's a mil-spec instrument). The seller was amazed when I actually handed him the money :-)

It spins up the little disk inside, but so far I haven't checked the output. Guess my "new" Tek 547 is up to it... 73, mike k aa9rg

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996

From: "michael d. ferraro" <ferraro@ix.netcom.com>

Subject: Re: Life is Weird

Message-ID: <199609130321.UAA24682@dfw-ix4.ix.netcom.com>

Life is to short for QRP !

73's de K6ZSR "Mike in Montecito"

> From: Richard H. Arland <k7yha@juno.com>
> To: Multiple recipients of list <boatanchors@theporch.com>
> Subject: Life is Weird
> Date: Thursday, September 12, 1996 6:40 PM
>
> Gang:
>
> After we came back from our 3 week vacation (a tour around the US and
> Canada in our new Sabaru Outback) which included a 4 day stop over in
> Crestline, CA to attend the Zuni Loop QRP Mountain Expeditionary Force
> Field Day, I became very burnt out on low power operating.
>
> Then along came the BA list. Now I am gung-ho for collecting and USING
> boatanchors on the air. Things started out slow. First an SX-130 I'd
> gotten the year before at York (PA) hamfest was plugged in and used for
> some SW listening. Then a couple of old Heathkit SW receiver happened to
> show up. THEN the two HQ-170s found their way into my shack, followed a
> week later by an HQ-145 and last week, a HQ-110! A friend in VA has
> another HQ-145 for me! Everywhere I turn, little gray boxes....HEAVY little
> gray boxes.
>
> BUT this morning, I discovered my true calling. I am a BA magnet.
>
> The previous evening, while rummaging around the bowels of the little AM
> station that I engineer for, I discovered a Johnson Viking Courier 500
Watt desktop linear. This morning I called the station and spoke to the
> owner, who used to be a ham, and who owned the Courier.
>
> "You want it, Rich? It's yours. Just haul it outta there quickly, before
> I change my mind!", says the owner.
>
> Well, I just returned from the station where we retrieved the Courier.
> The case is scratched on top and sides, but can be blasted, primed and
> repainted (God Bless the auto body instructor at the school where I
> work). The line cord needs replacing. The front panel is chipped along
> the top, but INSIDE is immaculate! Two good 'ole 811As sitting in
> ceramic sockets right along side a pair of 866 mercury vapor rectifiers.
> What a beautiful piece of equipment. Now I KNOW why I'm hooked on
> BAs....this is REAL radio. LIke it was supposed to be. FUN!
>
> 73 rich K7YHA
>
> PS: Anybody got a manual and schematic on a Johnson Viking Courier? I'll

pays repo and postage. tnx in advance.

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: Re: Life is Weird
Message-ID: <19960913.223845.4431.5.k7yha@juno.com>

On Thu, 12 Sep 1996 22:26:30 -0400 (EDT) Brien Pepperdine
<pepperb@gov.on.ca> writes:

>
>AS John Travolta says in "Broken Arrow": Ain't it cool?
>
>I was wondering a wee bit where the seemingly sudden BA interest was
>going to with you; after the qrp trip, the books, the articles in QST
and
>elsewhere I guess I had you figured for a low power only for ever and
>ever etc. kind of op. Has Chuck Adams had you contracted for BA
>de-programming yet?

Brien, Bob and Gang:

OK, you pegged me....Yes, I'm the guy who wrote the 3 books on QRP, had the QST
and CQ articles on QRP....ad infinitum ad nauseum. AND I really
doubt that old K5FO is too interested in anything I do...(my spies tell
me he's more interested in trying to set a record on HF for
milli/microwatting). He did break Ted McElroy's old CW speed record and,
as I was told at the Zuni FD, this was an official Guinness Book of Records
certified record.

Quite frankly, I have been doing QRP since 1965. It's been fun and I have
learned much, but I'm bored with it. (And for the two of you who wrote
that "Life is too short for QRP", you obviously haven't tried it with
any apparent success). After the Zuni FD I felt that I had accomplished
all I had ever wanted to do in the low power arena. There are only so
many books and articles one can write about QRP. Being asked by the
League to write the preface to QRP Power was a nice touch, though. I
needed a change. BAs were that change.

There is something extremely relaxing about poking around inside a live
chassis, trying to bring an old classic back to life....knowing that
there is enough current and high voltage present to "nail you a good
one". All kidding aside, I find restoring and using these old rigs very
therapeutic. Having grown up around Johnsons, Heathkits, Knightkits,
Hallicrafters, Hammarlunds, Collins, etc., it's like being around old
friends. Not to mention the utter beauty of the glowing vacuum

tubes....they don't call them "firebottles" for nuthin'!

AND, the people I've met on this reflector are absolutely the BEST (even Jack...only kidding, Jack!). Here I feel welcome and at home. Thanks to all of you.

73 rich K7YHA

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "Garey Barrell, K4OAH" <75025.73@CompuServe.COM>
Subject: Monitor Scopes
Message-ID: <960913135251_75025.73_FHD66-1@CompuServe.COM>

Jim. KM6NK wrote:

>The SB-610, neat gadget that it is, has one problem
>area: The caps in the HV supply. These like to fail
>and suitable substitutes are difficult to locate, or
>at least they have been for me.

The Heath HO-10 has the same problem. There are only two of these caps in this model, but the failure rate appears to be just as high. The original caps were 0.15 at 1600 V. The HV is noted on the schematic as 1550V, which is close anyway, but mine both read closer to 1700 V with good caps. The caps can be found, but they are definitely scarce. Some people have replaced them with three 0.33's at 600 V in series, but it gets pretty crowded in there!!

The CRT's are also not very common, 3RP1A, and almost every HO-10 you see has a line burned across the center. I did find a new CRT at Indianapolis this spring, but they are not easy!

The Vertical amplifier is specified at 500 kHz, so the receive monitoring function is limited to 455 / 500 kHz IF's.

The two-tone oscillator, a 6J11, is also not real reliable. Seems to be short of gain, as the tubes don't seem to last very long, in my experience. I have a separate two-tone oscillator, so have never investigated further.

The HO-10's seem to run between about \$30 up to around \$75, depending on condition and "circumstances".

Good Luck

73, Garey - K40AH
75025.73@compuserve.com
Atlanta

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "C. J. Hawley" <c-hawley@uiuc.edu>
Subject: Re: more on 32v3 bulbs
Message-ID: <3238BAA7.2CB5@uiuc.edu>

Steve Ellington wrote:

> Many of you have recommended either night light or christmas tree
bulbs.
> Although the sockets may match, the bulbs are far too fat to fit in the
> tight space. Markings on the bulb tell only 6w and 110v. The bulb is
only
> about 3/8 in. in diameter. No, Radio Shack, drug stores and hardware
> stores don't have bulbs this skinny.

3/8 inch? I think the 120v bulb in the 32V is 96F6563 in Newark cat
#114, page 1280.

> Concerning the mic connector. Dozens of you have stated the Newark
sells
> these. Looking carefully at the Newark catalog, there is nothing even
> close! Another suggested Radio Shack but to no avail. One fine feller
> offered to send me one. I hope that works out!
>
> Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

Newark cat#114 page 911. They are under the heading "80 Series
Microphone Connectors". The plug is cat # 39F010, for example.

Chuck, KE9UW

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: mack@mails.imed.com
Subject: More on the estate sale
Message-ID: <9608138426.AA842635693@mails.imed.com>

I guess I pretty much have something from everyone who is interested.

Man, this is a great group! Everyone has been quite gracious. There were multiple offers on almost everything so that makes my job that much tougher. I'll let everyone know on Monday one way or the other.

I don't actually know Frank. I work with the husband of the lady selling their house. I know that Frank's wife will appreciate what every one has done.

I didn't think it would be such a tough job trying to sell someone else's stuff. It is *really* hard trying to figure out how to be fair to y'all.

Ray Mack
WD5IFS
mack@mails.imed.com
Friendswood (Houston), TX

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: More tubes for your stock
Message-ID: <960913113808_75121.100_IHV32-1@CompuServe.COM>

Hello all!

I see tube lists showing up on the BA list and on Hamnet. Well, I also need to clear out some tubes. Now is the time to stock up on those that are on your equipment spares "minimum needed" list.

All are priced each unless noted. If you want larger quantities on those that I have listed at "5 ea min", send me a note and make an offer.

All tubes are new, not used and are in original boxes except for a few of the larger ones where the box disintegrated while I opened it to inspect the contents.
<g>

5654/6AK5	\$ 2.00	
6V6GT,GT,Y	\$ 5.00	
6U8A	\$ 4.00	KWM-2, 32S-3
6L6 Y METAL	\$14.00	
6L6 WGB	\$10.00	
6EB8	\$ 4.50	KWM-2
6DJ8	\$ 3.00	
6CW4 NUVISTOR	\$10.00	
5670W	\$ 3.00	51S-1
6CA7	\$15.00	
6BN8	\$ 6.00	KWM-2
6AZ8	\$ 5.00	KWM-2 (1 LEFT)
7360	\$30.00 (AES \$41.00)	

5691	\$30.00	
5749/6BA6	\$15.00	BOX OF 5
3TF7	\$15.00	R390-A BALLAST
5814A	\$15.00	BOX OF 5 R390-A
2C39WA (3CX100AS)	\$15.00	
3B24WB	\$15.00	(\$99 NEWARK)
3E29 (829)	\$10.00	(\$105 NEWARK)
4CX350 A	\$85.00	(\$125 AES SOVIET)
5750/6BE6	\$15.00	BOX OF 5
6H6	\$10.00	BOX OF 5
6AH6	\$10.00	BOX OF 5
6AN5 BEAM TUBE	\$ 2.50	
5751 (12AX7 I THINK)	\$ 9.00	
5755	\$ 9.00	
5763	\$ 9.00	
6088	\$ 5.00	
6336B	\$35.00	
7554 PENCIL TRIODE	\$40.00	
7895 NUVISTOR	\$ 9.00	
8393 NUVISTOR	\$ 9.00	
6DC6	\$ 4.00	KWM-2, 51S-1
6E5 TUNING EYE	\$ 8.00	
12AT7 WA	\$ 5.00	KWM-2, 32S-3

Octal relay sockets with screw terminals \$6.00 ea.

Tube shields, bayonet or slip on. .50 ea or 5 free with tube purchase over \$10.00

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996

From: "D.D. Todd" <dube3@n-link.com>

Subject: Re: My how things have changed

Message-ID: <3239BA8D.6591@n-link.com>

Richard Biddle wrote:

>

> Sometimes, folks, things happen which totally amaze me.

> They are single chip op-amps

>

> The overall size of the package is 0.06" by 0.11" by 0.04" thick.

Yeah, but look at it this way: The gain is about, what, 10,000? The volume of the

device is .000264 cubic inches; that computes to a gain of 37,878,788 per cubic

inch!

A tube amplifier with gain of, say 275, occupying perhaps 12 cubic inches, has a gain of only about 23 per cubic inch!

--

73,

Dube Todd

K4DWW

dube3@n-link.com

"The wear on a hypothesis is proportional to the distance between the extrapolation and the experimental results."

-unknown

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Lrware@aol.com
Subject: National coil can question(s)
Message-ID: <960913193951_307876285@emout16.mail.aol.com>

Good evening firebottle folks:

Tonight I would like to pose a question to our esteemed collection of National guru's...

I have a minor problem with one of the IF cans in my type RCP (NC-100) radio, to wit: Both tuning caps in the top of the can are flakey, a light tap on the side of the IF transformer can causes both to lose alinement. This makes setting them almost impossable. This the the IF can with two screws holding it in place, bolted through the chassis. Multiple wires from a small center hole in the bottom to the stages on both sides.

The question is this: Is their a "trick" to removing these for cleaning and possable replacement of the trim caps? Or is this just a careful, time eating, do it the long slow way, procedure? If you remove the nuts on the screws can you lift these clear without unsoldering the wires?

Inquiring minds want to know....

-Larry Ware

lrware@aol.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Lrware@aol.com
Subject: need design data 4CX350A

Message-ID: <960913180403_284338153@emout07.mail.aol.com>

Hi folks, I have this cute little Amperex 4CX350A/8321 just sitting here... help me figure out what to do with it. Got to be able to build something interesting with it.... :-)
Will pay postage, copying etc. of course.
Thanks,
-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: Need Hammarlund HQ-180A manual copy
Message-ID: <01I9FBECE0MQ0004WM@ACS.EKU.EDU>

..as the subject says...

Copying fees and postage covered by me, of course...

Allan Stephens
106 Bob-O-Link Drive
Richmond, KY 40475

modsteph@acs.eku.edu

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "Thomas L. Dawson" <74745.324@CompuServe.COM>
Subject: R-392 Intermod Lo Pass
Message-ID: <960913034743_74745.324_HHL76-1@CompuServe.COM>

Colleagues,

TV was not very interesting tonight so I broke open the filter and discovered it is actually a 7th order elliptic, and had a capacitor loose to boot. Works even better with the cap connected. Traced out the schematic and I'll burn some copies. It seems like an SASE will work best, since through CI\$ I can send only ascii EMAIL via Internet.

Send an SASE to

Tom Dawson
P. O. Box 113
Round Hill, VA 20141

Be patient, I am TDY for a couple of weeks, and will not be able to mail

anything til the 1st week of OCT. Sorry. I had to postpone Jury Duty, too.

This filter solved my intermod problem in Arlington, VA. Carefully built, it will have about 60 dB or more attenuation above 50 MHz or so. Any more is tough to measure without double shielded cable, and if you need that much you are probably at risk for health problems and ought to move anyway. ;)

regards to all,

Tom WB3AKD

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996

From: Tom LeMense <LEMENST@fhsmtp.fh.trw.com>

Subject: re: R-392 intermodulation -Reply

Message-ID: <s2392e8a.034@fhsmtp.fh.trw.com>

{snip}

>Picky picky, but according to the RatShack Advanced License Study

>Guide, our RXs suffer from "Cross Modulation." "Intermod" is what

>happens in a TX final when RF backs up into it, as at repeater sites.

>

>73, mike k aa9rg

Cross modulation is very different from intermodulation! Cross modulation is one signal "transferring" its modulation to another. An example of cross modulation would be where two signals are applied to an amplifier, one of which is CW and one of which is AM--due to cross modulation the CW signal bears some AM mod. at the amplifier's output. Another example would be where a mixer is fed by an LO bearing some AM or FM mod.

Cross modulation would be the culprit if you were REALLY overloading the R-392's input, you could then hear BCB content when listening to another operator. Most frequent cause is when weak biasing of amplifier devices gets swamped by large signal input.

Rather, the R-392 is simply mixing two adjacent FM stations and creating a difference, which is simply a case of first order IMD. Doesn't matter what sort of amplifier we're talking about, if it's the slightest bit nonlinear, it exhibits some IMD. IMD is of great concern to everyone in TX finals due to the desire to not create undue spurious signals, but it is also a concern in RX front ends when there is no or insufficient preselection.

-tom

Thomas LeMense * Sr. Project Engineer
TRW Automotive Electronics Group
Farmington Hills, Michigan facility
810.615.7822 * 810.478.7241 fax
internet: lemenst@fhsmtp.fh.trw.com

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Sig Gen help
Message-ID: <Pine.ULT.3.95.960912205343.18156A-1000000@admin.aurora.edu>

Does anyone have access to a manual for a H-P 8656 signal generator?
I am after info on characteristics of applying an external modulating
signal. I want to build a sawtooth generator so I can sweep align IF's.
If you do, please contact me directly.
Thanks

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: knudsen@gymail.ih.lucent.com
Subject: Silly R390 Questions
Message-ID: <9609132155.AA04181@bock.ih.lucent.com>

What is the purpose of the "spare" gear screwed to the frame near
the top left of the RF deck? It's painted green and mounted near
the other, working gears, but seems to have no function. It's
stamped out of sheet metal, rather than machined of solid brass
like the real working gears.

Also, are there any quick checks as to why the xtal calibrator
doesn't work, when the xtal is in place and the tubes light up?

Should the audio at the phone jack into low-Z headphones be wimpy,
distorting when you try to get some volume? It's really great
audio till you turn it up.

Finally, my AGC hardly works at all. But I do get the couple

seconds of blackout when I switch from Long back to Medium,
so some of the system must be working.

Yes I know, get the manuals...but I already have them for R390A
and R392, and hardly have space for another one like that ^-)

Tnx es 73, mike k aa9rg

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Silly R390 Questions
Message-ID: <199609140058.TAA21591@dlep1.itg.ti.com>

At 04:55 PM 9/13/96 -0500, Michael Knudsen wrote:

>What is the purpose of the "spare" gear screwed to the frame near
>the top left of the RF deck? It's painted green

I, too, have wondered about what this thing is doing there.

>Should the audio at the phone jack into low-Z headphones be wimpy,
>distorting when you try to get some volume?

Yes, it's a high impedance output. I use a pair of Telex 2kohm headphones
and the audio sounds great and it has more volume than I can stand.

>Finally, my AGC hardly works at all. But I do get the couple
>seconds of blackout when I switch from Long back to Medium,
>so some of the system must be working.

My AGC seems to work well on AM signals. Of course, it's not much use for
SSB because by the time the AGC kicks in the SSB signal level is far greater
than the BFO level. (I gotta get the sideband slicer hooked up to mine.)

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: SOS CQD SOS NAVY BA SINKING!! SOS CQD SOS.....
Message-ID: <199609130249.TAA22329@dfw-ix4.ix.netcom.com>

Fellow Iron Clad Fans:

Please read the attachment below.

We need to find a home for this transmitter before it gets deep-sixed. It's in Washington State. I'm in Nevada, with no way to go get it. Is there no one who can retrieve this unit? I have no idea what it's worth, but if it's reasonable I'd be willing to help save it...i.e. kick in some gas money, etc.

73 Dave Stinson AB5S
arc5@ix.netcom.com

>From: philkeys@olympus.net (Phil Keys)
>Subject: Re: Navy WW2 Transmitter in estate

>Please let me know soon if you are interested
>in the Navy transmitter. I was told it is:
>CG-52206 is the TCM transmitter, 2-18.1 Mc,
>CW/MCW/AM, 125 watts, made by G.E.
>CG-20122 is the TCM power supply for 115 VAC.
>Phil Keys
>(360) 379-8650

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Nina West <ninaw@u.washington.edu>
Subject: Tektronix 585A and cathode interface
Message-ID: <Pine.A32.3.92a.960912220555.98679C-100000@homer22.u.washington.edu>

Recently I bought a Tek 585A oscilloscope in great shape with spare 7788's and an 82 plugin. It works OK and I will clean and check it out in the near future, but I have some questions that the BA experts might help me with:

Stan Griffith's book describes how to check for cathode interface in the vertical amplifier by using an 84 test plugin for the scope and plugging the 82 into a known good scope. (I might try this at Stan's shop in Oregon the next time I visit Portland). Are there any other ways to test for it?

Is there a simple bench test rig that could test single 7788, 6dj8, or whatever tube for cathode interface? This beast has six dozen tubes in it total and at least a dozen in the vertical amplifier so I'm unsure if plugging one in at a time will indicate anything.

Just what is cathode interface and what is the mechanism that "wears-out" a cathode?

Thanks in advance for the education. I never thought I'd own such a piece of equipment. It will be the centerpiece/room heater of my remodeled shop.

Fred Powell
c/o
ninaw@u.washington.edu

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: John Shriver <jas@shiva.com>
Subject: Re: Tektronix 585A and cathode interface
Message-ID: <199609131432.KAA14241@shiva-dev.shiva.com>

Feed it a good clean square wave. You should see a square wave. Droopy tops indicate cathode interface. If they are square, you are golden. If they aren't, you don't know if the 82 or the 585A has the problem. That's when you need the 84. (Also, I suspect that the calibration procedure for the 585A calls for the 84.)

Cathode interface is an internal insulating layer that forms inside the cathode, at the interface of the coating and the base metal. Electrically it's like putting a parallel RC network in series with the cathode. At HF, the cap bypasses the resistance, at LF, the resistance shows. Ergo, bad LF response.

They first figured it out in the days of vacuum tube computers. Running a tube a long time in cutoff aggravates the generation of it. (As in tube flip-flops in computers.)

There were late tubes with minimized cathode interface generation. This was done by special control of the metallurgy of the cathode metal. For instance: 8136, 8425, 8426.

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Tektronix 585A and cathode interface
Message-ID: <199609132057.NAA00506@desiree.teleport.com>

>Recently I bought a Tek 585A oscilloscope in great shape with spare 7788's
>and an 82 plugin. It works OK and I will clean and check it out in the
>near future, but I have some questions that the BA experts might help me
>with:
>

>Stan Griffith's book describes how to check for cathode interface in the
>vertical amplifier by using an 84 test plugin for the scope and plugging
>the 82 into a known good scope. (I might try this at Stan's shop in Oregon
>the next time I visit Portland). Are there any other ways to test for it?
>

>Is there a simple bench test rig that could test single 7788, 6dj8, or
>whatever tube for cathode interface? This beast has six dozen tubes in it
>total and at least a dozen in the vertical amplifier so I'm unsure if
>plugging one in at a time will indicate anything.

Hi Fred,

I am not aware of any test fixture that allows you to test a single tube for cathode interface. You can, of course, test the whole system, scope and plugin, for cathode interface by feeding in a fast rise square wave and making sure the scope displays it without what appears to be gradual spiking on the leading edge. If you don't have cathode interface, you are done with the test. If you do have it, you now have to figure out if it is in the mainframe or the plugin, which is where the 84 comes in. The 84 will not have cathode interface so if you see it in the display while using the 84 to provide a fast rise square wave, you know it is in the mainframe.

I experimented awhile back with cathode interface in CA plugins. A CA uses a pair of 6AU6s and a pair of 12AU6s in each channel and all 8 of those tubes are subject to cathode interface. I found one of my CAs that was free of cathode interface and plugged in a few unknown 6AU6s and 12AU6s one at a time to see if I could tell if individual tubes had cathode interface. Yes, I could tell. A single tube with serious cathode interface shows up pretty obviously. When I was a service tech for Tek back in the mid-60s, if we had any indication of cathode interface in a CA, we just retubed the whole thing and that fixed it. I am sure it was a good decision at the time. Tubes were cheaper than labor so it didn't make sense to try to save one tube. Nowadays, it makes sense to me to check each tube individually and I have three boxes of 6AU6s and 12AU6s marked "cathode interface", "no cathode interface", and "unknown".

One of the problems with cathode interface is that it is like tube emission in that there is no definite black and white line defining when a tube has it or does not have it. A tube may have a little of it or a lot of it and you have to decide when it is too much. Very subjective. One thing we do know is there is no known way to reverse it so once a tube has it, it has it forever. Another thing we know is that certain circuits don't care if the tubes in them have cathode interface or not so tubes with cathode interface still have some value which is why I save them in a separate box.

>Just what is cathode interface and what is the mechanism that "wears-out"
>a cathode?

There was a very good article on this a couple of years ago in Electric Radio. I wish I could remember the exact issue. I can't remember the name of the author right now either, but Barry probably knows who it is and when the article was published. Are you listening, Barry? Can you tell us?

>Thanks in advance for the education. I never thought I'd own such a piece
>of equipment. It will be the centerpiece/room heater of my remodeled
>shop.

>

>Fred Powell

>c/o

>ninaw@u.washington.edu

Next time you come down, let me know, and bring your 585A with you. I will be happy to look at it with you, plug in my 84, and give you a free opinion!!

Stan w7ni@teleport.com

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996

From: Brien Pepperdine <pepperb@gov.on.ca>

Subject: Testing COAXial cable

Message-ID: <Pine.OSF.3.93.960912225501.13147A-100000@govonca2.gov.on.ca>

(I am still laughing, and profiting, from the advice I got on the WD-40 vs. DeOxit question. Its about 50:50, but I found a Toronto area source for DeOxit amidst the hilarity and advice. Thanks)

OK, the next very serious question I get to ask to get my 12.00/year worth.

Any neat little tests anyone have for how to test coax? I have 100 feet (gosh, what's that in Canadian meters/metres) of RG-214 - very nice Belden stuff I believe. I would like to put it on a tower when I get a tower, but I sure don't want to run it up to some Yagi 48' up in the sky and then find out it is bad. Its not been used for a couple years since I had it on a vertical for a while and a dipole the odd weekend (heck of a non-portable antenna, but its what I had on hand for weekends at the in-laws place).

So, I guess what I want to be sure of is that nothing like water etc. has had any deleterious effect on it. It was not up anywhere that long, mostly sealed with at least electrical tape temporarily or Coax Seal when it was on the vertical.

Any suggestions re. testing with standard VOM, or running AC through it

and looking for voltage drop or whatever... The fewer climbs up the tower I make (horrors) or I have to pay someone (his horror), the better.

Or, is an obvious but valid test to put out power into a couple feet of coax into a watt meter, and then put it through the 100 feet of coax and read the power at the end of the 100 feet (at varying frequencies, just in case?)?

Thanking you.

Brien
Toronto

pepperb@gov.on.ca

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "Gary N. Anderson" <ganderso@iu.net>
Subject: Re: Testing COAXial cable
Message-ID: <199609130407.AAA15212@bb.iu.net>

rth.

>

>Any neat little tests anyone have for how to test coax?

>Or, is an obvious but valid test to put out power into a couple feet of
>coax into a watt meter, and then put it through the 100 feet of coax and
>read the power at the end of the 100 feet (at varying frequencies, just in
>case?)?

>

>

My test is what you describe.....make up your cable, measure the input power, then measure the output power and compare the loss to what the cable specification is. Doing this at the highest frequency you intend to use the cable at is sufficient (or the frequency at which you have cable data). One frequency is enough.

However, be sure that you terminate the cable in a GOOD 50 ohm load (good at the frequency of measurement) while performing the test. Also, use the same wattmeter for both measurements (move the wattmeter). That will keep your measurement errors to a minimum.

Hope this helps.....73's.....

Gary N. Anderson====>Palm Bay, FL====>Amateur Call:
WA4IVF
(Also history, astronomy, cycling, ad infinitum.)

"Always do right. This will gratify some people and astonish the rest."
Mark Twain

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: jproc@worldlinx.com
Subject: RE: Testing COAXial cable
Message-ID: <Chameleon.4.01.2.960913110552.jproc@>

Brien,

The advice given to you by Gary Anderson is very sound. There are other a few other things you can do as well.

Strip at least several feet of outer insulation from the cable. Inspect the braid. It should be relatively shiny. If its dull looking, this means that the outer jack has deteriorated and is allowing moisture to pass through. (UV rays from sunlight breaks down the PVC plastic on the outer jacket over time). The dielectric insulation should not be discoloured either. A light, murky brown colour would also indicate moisture penetration.

If you have access to a megger, test the the cable for leakage. A megger zaps the cable with 500 volts. Alternately, attach a high voltage power supply >300 volts to the cable with a microammeter in series with the positive lead. Plus connects to the centre conductor; negative to shield. It's the same technique as testing for a leaky capacitor.

Lastly, checking for power loss is very prudent if you have access to an RF wattmeter and a non-reactive load.

Regards,

Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
HMCS Haida Naval Museum
Toronto, Ontario
'Looking for a 'AN/SRC-501'

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: TS-110/AP & TS-69A/AP offered

Message-ID: <199609132203.PAA07060@netcom15.netcom.com>

I've discovered the following items in my barn. Aside from the external filth of storage, they are both new, unused and quite pretty when you remove the covers.

The label on No. 1 reads:

Signal Corps.	U. S. Army
Frequency Meter	TS-69A/AP
Order No. 633-DAY 44	
Serial No. 1071	
Cover Dual Signal Systems, Inc.	

This is an absorption frequency meter with a diode detector, meter and headphone jack. It actually covers the 440 mc. ham band; I had big plans for its use back in the Fifties ;-)

The calibration book in the lid says it covers 341 to 1000 mc.

No. 2 is a somewhat similar device with the most peculiar meter I ever saw. It's a 3-inch round Weston meter with a 1-inch-long scale! The label is not all that informative:

TS-110/AP
s/n 73 CW
1429-DAY-44

In the bottom of the case is a thick cable with a teensie dipole antenna (after 50 years, I doubt that it can be unfolded without cracking). It has a beautiful tuning mechanism, but no calib. book and apparently no provision for one. Back when I was in an M-33 repair unit, I used the ORD 6 test equipment to measure this dude's frequency band and came up with a range of 2400 mc to 2700 mc., obtained with a cavity resonator inside. So far as I know, this was called an "echo box" and used to check airborne radar sets. I hope an expert can give me more info on this.

Plans are to offer these to the BA list first; if no takers, I'll have them at the next Livermore swap meet.

Acting in total ignorance, I'm setting a price of \$50
(plus shipping) for each. Dickering is acceptable if
that price is out of line.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: TEK0CH@aol.com
Subject: TV-7D/U Documentation
Message-ID: <960913083425_521801333@emout06.mail.aol.com>

I received a nice TV-7DU tube test set recently from Bill Wilson AC4LC via
his ad on BA. I am looking for additonal documentation such as the operators
manual and a original or good copy of the Test Data. Although there is a
copy dated January 1962, I wonder if there is an updated Technical Bulletin?

Tom Koch - W4UOC
8170 Habersham Waters Road
Dunwoody, GA 30350

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: TV-7D/U Documentation
Message-ID: <199609131404.JAA07321@dns1.net-connect.net>

>I received a nice TV-7DU tube test set recently from Bill Wilson AC4LC via
>his ad on BA. I am looking for additonal documentation such as the operators
>manual and a original or good copy of the Test Data. Although there is a
>copy dated January 1962, I wonder if there is an updated Technical Bulletin?

I have been looking for later data myself. It must exist because I have
changes for the -12 TM for the set which show the additional adapters
(nuvistor, planar, etc) that I have with mine. These types are not listed
in the Test Data book that I have (same as yours, I believe.

73

Joseph W Pinner
Lafayette, LA
KC5IJD

EMail: kc5ijjd@net-connect.net or kc5ijjd@aol.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Vanity Calls
Message-ID: <Pine.GS0.3.95L.960913163931.5723E-1000000@unixs1.cis.pitt.edu>

If anyone is interested in vanity call courier service to Pittsburgh on September 23, a friend of mine locally is going to Pittsburgh on Sunday evening to drop off his application.

Please call me for more details.

(814) 487-7855 this evening or this weekend.

This is not an advertisement!

Dave, W3BJZ

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: "Joseph W. Pinner" <kc5ijjd@dns1.net-connect.net>
Subject: Vector P1 probe needed
Message-ID: <199609131157.GAA32270@dns1.net-connect.net>

I have a nice tube socket test adapter kit (Vector T-789) which allows voltage, resistance AND current measurements to be made from the top of chassis through the adapter.

Problem is I do not have the special probe, P1, which is used for current measurements.

Anyone have one of these and willing to part with it?

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@net-connect.net or kc5ijjd@aol.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996

From: knudsen@gvmail.ih.lucent.com
Subject: Re: WD-40 YES
Message-ID: <9609131557.AA02064@bock.ih.lucent.com>

OK, we now have a vote in favor of WD-40. May be OK after all.
Its odor does clash with that fine "old BA" aroma, tho.

Another odd one I've heard recommended by professionals,
and have used myself, is Mineral Oil -- the same stuff sold
in drug stores to keep your personal plumbing moving along.
For connectors, not contacts or controls or switches.

Mineral oil not only lubricates the plugs and sockets as
you shove 'em together, but prevents oxidation.
It's especially good for printed-circuit card-edge connectors
(geting out of the BA realm here) but also more Molex and I'd think
Jones plugs too.

To repeat, I'm willing to try WD-40 again if I can tolerate the odor.
Might be just the trick for mouse-residence radios...73, mike k aa9rg

From boatanchors@theporch.com Fri Sep 13 09:23:03 1996
From: Mikhael Brown <mikhael@hpcmmp13.sj.hp.com>
Subject: Re: WE 374A?
Message-ID: <199609131223.AA156587387@hpcmmp13.sj.hp.com>

Spencer Petri had asked what a WE 374A was. Well it is a
seven pin octal power pentode. Western Electric began making
them about 1941 and stopped manufacturing them in 1981. They
had an output power of 1.3 watts and were used in the K2 carrier
system.

Mike N6WIG

--

mikhael@hpcmmp13.sj.hp.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: carl yaffey <cyaffey@sprynet.com>
Subject: What's a 32v2 worth?
Message-ID: <2.2.32.19960913170852.00e6d7bc@m1.sprynet.com>

I have a chance to bid on a 32v2. I have no idea what they're worth. Any
suggestions?

TNX es 73,
Carl K8NU

Carl Yaffey K8NU cyaffey@sprynet.com 614 268 6353 Columbus OH
Banjo player for One Riot One Ranger, independent software developer.

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|#===||=====|*~*~*|
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From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Bob Duckworth <rmd@ka4ybr.netmha.com>
Subject: who makes this de-oxit stuff?
Message-ID: <199609131432.KAA28451@ka4ybr.netmha.com>

I'm curious as to what is in this de-oxit stuff.
If anyone knows....

Or, if there is an address and or phone number on the can
that someone will forward, I'll request a MSDS and find out from that.

-bob
WB4MNF

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: Dan Kerl <dlkerl@ro.com>
Subject: Re: who makes this de-oxit stuff?
Message-ID: <32399DE3.723C@ro.com>

Bob Duckworth wrote:

```
>
> I'm curious as to what is in this de-oxit stuff.
> If anyone knows....
>

```

check out

<http://www.caig.com/>

Dan Kerl
dlkerl@ro.com

From boatanchors@theporch.com Fri Sep 13 20:04:11 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: WTD: manual for G-186B
Message-ID: <199609131540.KAA09067@dns1.net-connect.net>

I need a manual for the G-186B (spectrum display used with the 51S-1 modified for use in military intelligence aircraft).

I am especially looking for instructions on alignment of the unit.

73

Joseph W Pinner

Lafayette, LA

KC5IJD

EMail: kc5ijd@net-connect.net or kc5ijd@aol.com